

FORBES

Healthier is Happier



FLO

USER MANUAL

FORBES

Produced for Forbes Lux Group,
Switzerland

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Fresh & Safe Water

FREQUENTLY ASKED QUESTIONS

I can see a light as I dispense water, but will the UV light damage my eyes?

UV light is not actually visible to the human eye and that purple glow you see comes from the lamp but isn't UV. Your advanced UV machine is safe under normal usage conditions.

Does the water need to be filtered prior to exposure to the advanced UV?

No, it does not need to be, but the clearer the water, the better the UV penetration. But we do recommend filtering the water prior to the UV phase as this ensures there are no particles in the water which can block the full penetration of the light. The clearer the water, the better the transmittance of the UV light through the water, and the better the purification.

What contaminants is advanced UV effective against?

Advanced UV is effective against bacteria, virus and parasites.

How long will the UV lamp last?

The UV lamp lasts for 5,000 hours.

How quickly does the advanced UV activate?

The advanced UV activates immediately 100% of the time. You may notice a slight delay in water flow, this is because the advanced UV purifies the nozzle before the water flows.

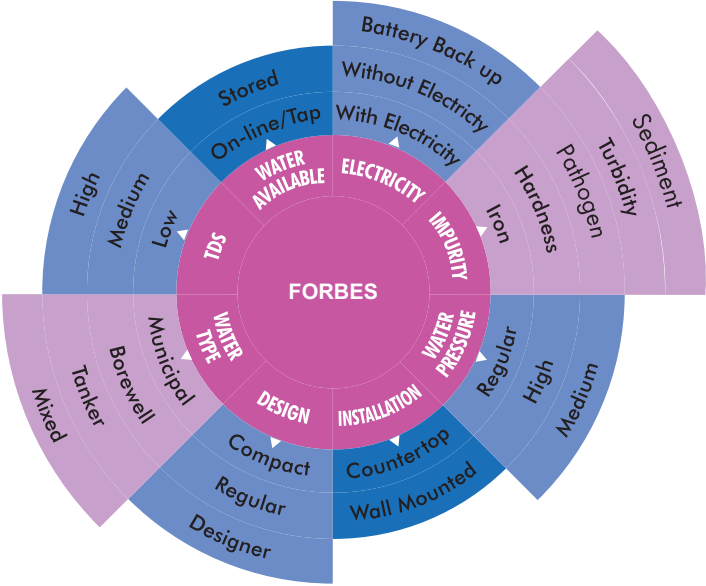
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WHY FORBES

Only Forbes has:

- Over 30 years of excellence
 - The trust of over 10 million mothers worldwide
 - 7 technologies that cure 17 water conditions
- Technology equipped to purify borewell, mixed, tanker, municipal, stored and tap water
- Backing of more than 105 water-testing labs worldwide
 - Over 1,000 service centres across the world located within a 5 km radius of your home



TECHNICAL SPECIFICATIONS:

Faucet dimensions	94mm (W) x 372mm (H) x 191mm (D) 3.7in (W) x 14.6in (H) x 7.5in (D)
Control box	326.8mm (W) x 101.5mm (H) x 174.5mm (D) 12.9in (W) x 4in (H) x 6.9in (D)
Dispense area height	Up to 198mm or 7.8in
Weight	Faucet: 3 kg, Control Box: 3.5 kg
Standard filtration	1 x COMBINATION CARTRIDGE
Capacity	Flow rate of 1.6 litres per minute maximum (dependent on the filtration configuration, incoming flow rate and pressure)
UV Lamp	15 W
Operating pressure	0.4 to 2.0 kg/cm2; To use PRV for higher pressure
Total power	32 W
Net weight	6.5 kg

THE FORBES ADVANTAGE



Certified by over 105 labs nationally and internationally.



Recipient of the UNESCO Water Digest Award for Best Complete Domestic Water Solutions Provider and Best Domestic Water Purifier (RO).



Manufactured at ISO 9001 and 14001 certified manufacturing facilities.



Selected as Reader's Digest Most Trusted Brand - Platinum Category.

STYLISHLY EFFICIENT FORBES FLO

The Aesthetically Designed Forbes FLO from our World series is a supreme union of design and functionality. A stylish addition to any modern kitchen, its technologically advanced Firewall™ UV technology purifies your drinking water and makes it bacteria-free. Furthermore, the revolutionary Firewall™ UV technology even acts as a barrier and prevents contamination from outside. Giving you pure, fresh and clean water throughout the day. It's little wonder then that we like to think of it as being stylishly efficient.



WHY FORBES FLO?

Today, rapid industrialisation has led to contamination of water. These harmful contaminants act as vehicles for a wide spectrum of disease-causing germs which adversely affect the human body. Namely, the kidneys, liver, bones and the digestive system. Breeding diseases like typhoid, hepatitis and dysentery in severe cases. The risk factor, rapidly changing as your water source (municipal, tap, borewell, tanker, mixed etc.) changes.

Hence, you need to ensure that your quality of water is healthy & pure to drink, and Forbes FLO is well equipped to eliminate these harmful contaminants, delivering you the purest and safest water.



TROUBLESHOOTING

All fault-finding procedures must be carried out by a technician trained by Forbes. Please take great care and suitable health and safety measures when fault-finding on live electrical parts.

Note - If all the icons should flash and an audible alarm sounds, please switch the UTS and faucet off immediately and call your authorised service agent.

The UV lamp has failed

Please call your authorised service agent.

A leak has been detected

Please turn off the water supply and call your authorised service agent.

1. **No flow of water:** Ensure that there is a water supply from the building and that the installation isolation valve is turned on.
2. **No flow of water:** Check that the water filters are not blocked and that they are in date. Forbes recommends filters are changed at 12-month intervals.
3. **Bad or plastic taste:** If the Forbes FLO Under the Sink (UTS) & Faucet is new it may need flushing for a longer period.
4. **No power:** Check if the building electrical supply to the Forbes FLO Under the Sink (UTS) & Faucet is on and that the power cord is plugged in. Ensure the red power switch at the rear of the Forbes FLO Under the Sink (UTS) & Faucet is on. Test the Forbes FLO Under the Sink (UTS) & Faucet fuse. Check that the top cover isolation switch is being activated by the top cover being locked in place correctly. If all these points are OK start normal fault-finding procedures.

MAINTAINING YOUR FORBES FLO

1. Isolate the power to the Forbes FLO Under the Sink (UTS) & Faucet by turning off the green and red switches at the rear of the UTS and by removing the power cord.
2. Please remember that all Forbes filters have a left-handed thread. Pre-flush the carbon filters outside the Forbes FLO Under the Sink (UTS) to wash and then install them. If this is not possible then flush the filters using the ambient option. Flush at least 10 litres of water through the filters.
3. Remove the top cover of the faucet and remove the UV lamp first and then release the water feed fittings to the quartz spiral. Remove the quartz spiral. Clean the spiral removing any lime scale that may have adhered to the quartz surface. It is important to clean the quartz to allow maximum UV purification to take place.
4. Replace the UV lamp and reconnect the UV loom. Do not touch the UV lamp with your bare hands as this will shorten the lamp life.
5. Reconnect the power cord.
6. Wipe the outside surfaces (non-abrasive cleaner), clean the drip tray, check if there is sufficient air flow around the Forbes FLO Under the Sink (UTS) and clean vents if needed.
7. Taste the water, ensure there are no carbon fines in the water and check the Forbes FLO Under the Sink (UTS) & Faucet functions. Should there be any taste issues or carbon fines still in the water, flush the Forbes FLO Under the Sink (UTS) & Faucet again.

WHAT MAKES YOUR FORBES FLO SO SPECIAL?

- 1) **Stylish & Sleek Faucet** – Compact design brings an aesthetic addition to the countertop, while the under sink system fits beneath the sink for a discreet attractive look. Enhancing the look of your kitchen and also saving kitchen space.
- 2) **Advanced Firewall™ UV technology:** The advanced Firewall™ UV purification technology eliminates waterborne disease causing bacteria and virus, makes the water safe for drinking
- 3) **Activated Carbon Filtration** – Removes contaminants, chlorine, bad taste and odours from the water. Thereby, improving the taste of the water and retaining essential minerals. Delivering you pure, fresh water at all times.
- 4) **Automatic Purification Monitoring System** – Monitoring system shuts the machine down if the built-in UV system stops working, and stops the faucet from working if there is a fault with the UV lamp or if there is a high turbidity in the water.
- 5) **Point of Dispense Purification** – The technology is placed right at the point where water is dispensed; it purifies water as it falls into your glass. This is also designed to inhibit bacterial contamination entering back through the system via the dispensing area caused by human contact or airborne contamination.
- 6) **Easy to Service** – Easy servicing with connected filters installed outside the unit for access during servicing, and an easy to change UV.

KNOW YOUR FORBES FLO

FILTERS

The filtration system on the Forbes FLO Under the Sink (UTS) & Faucet is designed to reduce dirt and sediment particles from the water. The activated carbon process will remove a whole range of contaminants e.g. chlorine and pesticides. It is important for the advanced Firewall™ UV sterilization system to be supplied with clean water in order to achieve maximum efficiency when destroying bacteria that may be present in the water.

There are many kinds of different filter combinations available from Forbes to suit local water conditions. The filters are mounted on the exterior of the under the sink unit.

IN FAUCET UV

The unique design allows the faucet area to be sterilised before, during and after every dispense. The UV sensor detects if the UV lamp is working and also monitors the UVC intensity.

UV LAMP

The UV light used is a 15 Watt germicidal lamp with a wavelength of 253.7 NM, which is very efficient at destroying bacteria in water. The UV lamp is situated in the advanced faucet and surrounded by a quartz spiral that attains NSF standard 55 class A purification as well as NSF P231.

OPERATING YOUR FORBES FLO

Sleep mode is an energy-saving feature that minimizes power consumption when the Forbes FLO Under the Sink (UTS) & Faucet is not in use over extended periods.

Dispensing your water is very simple, as follows:

1. Place your cup centrally in the dispensing area of the Faucet.
2. Keep the button depressed until your cup has reached the desired level, and then release the button.

AMBIENT WATER

Press the ambient water button and water will be dispensed after a 2-second delay for the first dispense, this allows the faucet and advanced UV system to be sanitised.

INSTALLING YOUR FORBES FLO

5. Check the electrical wall socket (polarity) and then make the electrical connection to the Forbes FLO Under the Sink (UTS) & Faucet by plugging the power lead into the socket on the rear of the Under the Sink (UTS). Then connect to the electrical feed wall power outlet. Turn on the power supply to the Under the Sink (UTS).
6. Taste test the water. If there is any hint of plastic taste in the water it means the filters need to be flushed with an additional 10 litres.
7. Forbes FLO Under the Sink (UTS) & Faucet must not be installed in direct sunlight, adjacent to a heat source.

KNOW YOUR FORBES FLO

PRINTED CIRCUIT BOARD (PCB)

The PCB (Printed Circuit Board) is the control unit for the Forbes FLO Under the Sink (UTS) & Faucet. It is responsible for the functions of all the mechanical and electrical parts (24V DC). The microprocessor drives the display and buttons (on the top of the tap) which informs the user of the status of the unit.

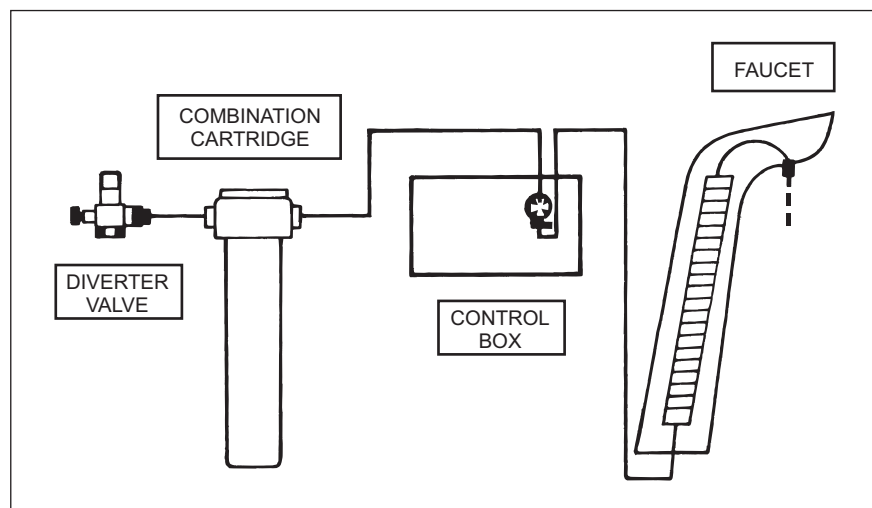
WATER PIPES AND FITTINGS

The inlet and the internal water circuit pipe size is 1/4" and 5/16". The entire internal water circuit and all the components which come in contact with water are all food grade NSF/WRAS approved parts.

WATER VALVES

Dispensing of water to the customer is achieved by means of a 24V DC electrical solenoid valve. The valves are energized every time the customer pushes the dispense button for a drink. DC voltage is used to give a positive and quieter action of the solenoid valve.

HERE'S HOW YOUR FORBES FLO WORKS



INSTALLING YOUR FORBES FLO

Important notice: This procedure should only be carried out by a technician trained by Forbes.

1. Check the box and its contents for any damage that may have occurred during transportation.
2. Mount the Faucet on the counter using the diagrams and templates provided in this manual. You will need to drill 3 holes so that you can mount the faucet on the countertop. Use the base template to position the angle of the faucet as once the holes have been drilled you cannot make any adjustment to the angle.

The centre hole is used to secure the faucet to the counter. The outer holes are for the water supply and the communication/power connection and also help to secure the faucet to the counter.

3. It is advisable that the water and electricity supply are within two metres of Forbes FLO Under the Sink (UTS) & Faucet and that the water isolation valve and power supply are accessible. Forbes FLO Under the Sink (UTS) & Faucet should not be installed using an extension lead. The water supply should be from a potable source.
4. Connect the water supply. All water sources should be potable. Allow the water supply to run clear of any sediment before connecting to the Forbes FLO Under the Sink (UTS) & Faucet. The minimum pressure for the Forbes FLO Under the Sink (UTS) & Faucet to function correctly is 0.4 kg/cm^2 . The ideal pressure is 1 kg/cm^2 . The maximum pressure is 2 kg/cm^2 .